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MILK

PRODUCTION, DISPOSITION, and INCOME

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MILK PRODUCTION, DISPOSITION AND INCOME, 1969

Cash receipts from all 1969 marketings of milk and cream reached a record high, \$6.2 billion. Higher prices for milk and cream sold more than offset smaller marketings. Milk production was down 1 percent in 1969 because milk cow numbers declined 3 percent. A 2 percent gain in the rate of milk production per cow was not enough to offset the decline.

Record-high cash receipts

Farmers' cash receipts from milk and cream were \$6,171 million in 1969, up 4 percent from the previous high a year earlier. Cash receipts increased in 8 of the 10 leading States. Wisconsin led, followed by New York, California, Pennsylvania and Minnesota. These 5 States accounted for 45 percent of the national total in 1969. Returns for combined marketings of milk and cream averaged \$5.52 per hundredweight exceeding the previous record in 1968 by 23¢.

Cash receipts from milk sold to plants and dealers totaled \$5,923 million in 1969, an increase of 4 percent from 1968. Returns from sale of cream, at \$41 million, were down 17 percent from the previous year continuing the downward trend in this item. Direct sales of milk to consumers totaled \$207 million, 1 percent more than in 1968. Value of milk used in farm households in 1969 is an estimated \$149 million--5 percent less than a year earlier. The farm value of all milk produced was \$6,413 million, a 3 percent increase over 1968.

Marketings by producers declined 1 percent in 1969

Milk and cream marketed by farmers totaled 111.8 billion pounds of milk equivalent in 1969, down 1 percent from 1968. These marketings consist of whole milk and farm separated cream, sold to plants and dealers, and milk sold directly to consumers. Marketing of whole milk to plants, at 108.4 billion pounds, was slightly less than in 1968.

Farm use of milk continues downward

Milk used for all purposes on farms where produced is estimated at 4.4 billion pounds, 7 percent less than a year earlier. The average yearly decline during the 1963-67 period was 7 percent. Of the 1969 milk used on farms, 56 percent was consumed in farm households as milk and cream, 40 percent was fed to calves and 4 percent was for farm churned butter.

(Continued on page 15)

Table 1.-Milk cows and production of milk, milkfat, and butter on farms, United States, 1959-69 ^{1/}

Year	Number of milk cows on farms 2/	Production of milk and milkfat 3/						Butter churned on farms
		Per milk cow		Percentage of fat in all milk produced	Total			
		Milk	Milkfat		Milk	Milkfat		
		Thousands	Pounds	Percent	- Million pounds -		1,000 lbs.	
1959	17,901	6,815	256	3.76	121,989	4,588	76,307	
1960	17,515	7,029	264	3.76	123,109	4,628	62,895	
1961	17,243	7,290	273	3.75	125,707	4,715	51,750	
1962	16,842	7,496	280	3.74	126,251	4,718	42,100	
1963	16,260	7,700	286	3.71	125,202	4,649	34,100	
1964	15,677	8,099	300	3.70	126,967	4,699	27,085	
1965	14,954	8,304	307	3.70	124,173	4,597	21,395	
1966	14,093	8,507	314	3.69	119,892	4,425	16,265	
1967	13,501	8,797	325	3.69	118,769	4,384	13,220	
1968	13,038	8,992	330	3.67	117,234	4,305	10,500	
1969	12,689	9,158	337	3.68	116,200	4,275	8,201	

^{1/} Includes Alaska and Hawaii beginning 1960.^{2/} Average number on farms during year, excluding heifers not yet fresh.^{3/} Excludes milk sucked by calves.Table 2.-Milk used and marketed by farmers, United States, 1959-69 ^{1/}

Year	Milk used on farms where produced				Milk marketed by farmers			
	Fed	Consumed	Used for	Total	Sold to plants	Sold	Total	
	to	as fluid	farm-		and dealers 3/	directly:		
	calves	milk and	churned		As whole	As farm-		to consu-
	2/	cream	butter		milk	separated cream:	mers 4/:	
- - - - - Million pounds - - - - -								
1959	2,658	5,776	1,602	10,036	100,809	9,073	2,071	111,953
1960	2,548	5,273	1,337	9,158	103,927	7,938	2,086	113,951
1961	2,432	4,835	1,115	8,382	108,353	6,918	2,054	117,325
1962	2,330	4,419	915	7,664	110,678	5,943	1,966	118,587
1963	2,245	4,070	743	7,058	111,195	5,060	1,889	118,144
1964	2,152	3,742	595	6,489	114,176	4,439	1,863	120,478
1965	2,061	3,443	472	5,976	112,716	3,650	1,831	118,197
1966	1,973	3,146	362	5,481	109,675	2,993	1,743	114,411
1967	1,893	2,882	292	5,067	109,420	2,381	1,764	113,565
1968	1,823	2,656	235	4,714	108,767	1,973	1,780	112,520
1969	1,769	2,447	183	4,399	108,442	1,636	1,723	111,801

^{1/} Includes Alaska and Hawaii beginning 1960.^{2/} Excludes milk sucked by calves.^{3/} Includes milk produced by dealers' own herds.^{4/} Sales directly to consumers by producers who sell only milk from their own herds. Also includes milk produced by institutional herds.^{5/} Includes some milk used for other purposes on farms or not utilized.

Table 3.--Milk and cream marketed by farmers: Quantity, price, and cash receipts, United States, 1959-69 ^{1/}

Year	Milk sold to plants and dealers			Cream sold to plants and dealers			Milk sold directly to consumers		
	Quantity	Price	Cash	Quantity	Price	Cash	Quantity	Price	Cash
	: 100 lb.	: per	: receipts	: milkfat	: per lb.	: fat	: quart	: per	: receipts
	: Mil. lb.	: Dol.	: 1,000 dol.	: 1,000 lb.	: Ct.	: 1,000 dol.	: Mil. qt.	: Ct.	: 1,000 dol.
1959	100,809	4.16	4,195,492	335,560	60.1	201,769	961	21.5	206,242
1960	103,927	4.21	4,373,174	292,490	60.5	176,860	969	21.7	209,923
1961	108,353	4.22	4,568,016	254,720	61.5	156,607	957	21.7	207,667
1962	110,678	4.09	4,529,454	218,470	59.4	129,814	914	21.9	200,368
1963	111,195	4.10	4,556,278	184,530	59.5	109,886	878	22.2	194,727
1964	114,176	4.15	4,737,507	160,650	60.2	96,660	865	22.3	192,666
1965	112,716	4.23	4,766,470	132,090	61.1	80,674	851	22.3	189,903
1966	109,675	4.81	5,271,099	107,830	67.2	72,509	813	23.2	188,368
1967	109,420	5.01	5,486,449	86,290	68.2	58,829	820	24.0	197,147
1968	108,767	5.24	5,701,114	71,190	68.7	48,936	826	24.7	203,989
1969	108,442	5.46	5,923,193	59,010	69.0	40,744	803	25.8	207,010

^{1/} Includes Alaska and Hawaii beginning 1960.

Table 4.--Farm marketings, income, and value of dairy products, United States, 1959-69 ^{1/}

Year	Combined marketings of milk and cream			Used for milk, cream and butter		Gross	Farm
	Average returns ^{2/}			on farms where		income	value
	Milk	Per 100	Per	receipts	produced	from	of
	utilized	pounds	pound	from	Milk	Value	dairy
	: milk	: milkfat	: marketings	: utilized	: 3/	: products ^{4/}	: 3/ 5/
	: Mil. lb.	: Dollars	: 1,000 dol.	: Mil. lb.	: - - 1,000 dollars	: - -	
1959	111,953	4.11	1.09	4,603,503	7,378	328,718	5,037,223
1960	113,951	4.18	1.11	4,759,957	6,610	296,529	5,158,116
1961	117,325	4.20	1.12	4,932,290	5,950	265,275	5,296,024
1962	118,587	4.10	1.10	4,859,636	5,334	231,515	5,182,148
1963	118,144	4.11	1.11	4,860,891	4,813	210,287	5,159,474
1964	120,478	4.17	1.13	5,026,833	4,337	192,053	5,304,899
1965	118,197	4.26	1.15	5,037,047	3,915	174,999	5,296,432
1966	114,411	4.84	1.31	5,531,976	3,508	175,885	5,800,216
1967	113,565	5.06	1.37	5,742,425	3,174	166,108	6,008,175
1968	112,520	5.29	1.44	5,954,039	2,891	157,733	6,205,610
1969	111,801	5.52	1.50	6,170,947	2,630	149,258	6,413,237

^{1/} Includes Alaska and Hawaii beginning 1960.

^{2/} Cash receipts divided by milk or milkfat represented in combined marketings.

^{3/} Valued at average returns per 100 pounds of milk in combined marketings of milk and cream.

^{4/} Cash receipts from marketings of milk and cream plus value of milk used for home consumption and farm-churned butter.

^{5/} Includes value of milk fed to calves. For 1967, also includes value of milk used for other purposes on farms or not utilized.

Table 5.--Milk cows and production of milk, milkfat and butter on farms by States, 1968

State	Number of milk cows on farms 1/	Production of milk and milkfat 2/					Butter churned on farms
		Per milk cow		Percentage of fat in all milk produced	Total		
		Milk	Milkfat		Milk	Milk fat	
	Thousands	Pounds		Percent	Mil. lbs.		1,000 lbs.
Maine	69	8,670	325	3.75	598	22	60
N. H.	39	9,240	351	3.80	360	14	---
Vt.	209	8,942	335	3.75	1,869	70	---
Mass.	69	10,150	376	3.70	700	26	---
R. I.	8.1	9,880	361	3.65	80	3	---
Conn.	67	10,110	374	3.70	677	25	---
N. Y.	1,039	9,835	354	3.60	10,219	368	---
N. J.	79	10,250	369	3.60	810	29	---
Pa.	727	9,450	350	3.70	6,870	254	160
Ohio	475	9,450	354	3.75	4,489	168	140
Ind.	250	9,590	360	3.75	2,398	90	100
Ill.	330	9,420	344	3.65	3,109	113	100
Mich.	480	9,580	350	3.65	4,598	168	40
Wis.	1,887	9,650	357	3.70	18,210	674	---
Minn.	1,057	9,670	343	3.55	10,221	363	80
Iowa	569	8,958	322	3.60	5,097	183	250
Mo.	380	8,050	302	3.75	3,059	115	600
N. Dak.	157	7,605	266	3.50	1,194	42	210
S. Dak.	202	8,220	292	3.55	1,660	59	120
Nebr.	213	8,000	288	3.60	1,704	61	280
Kans.	212	8,100	296	3.65	1,717	63	200
Del.	15	8,930	326	3.65	134	5	---
Md.	170	9,000	333	3.70	1,530	57	40
Va.	231	7,920	297	3.75	1,830	69	1,200
W. Va.	67	6,340	238	3.75	425	16	400
N. C.	194	7,603	289	3.80	1,475	56	1,300
S. C.	72	7,015	277	3.95	505	20	260
Ga.	140	7,607	289	3.80	1,065	40	500
Fla.	186	8,355	313	3.75	1,554	58	---
Ky.	367	6,770	257	3.80	2,485	94	750
Tenn.	329	6,430	248	3.85	2,115	81	650
Ala.	143	5,560	212	3.75	808	30	650
Miss.	209	5,130	200	3.90	1,072	42	650
Ark.	102	6,750	250	3.70	688	25	500
La.	180	5,720	220	3.85	1,030	40	100
Okla.	155	8,280	294	3.55	1,283	46	220
Texas	365	8,170	298	3.65	2,982	109	600
Mont.	47	7,660	276	3.60	360	13	50
Idaho	156	9,370	347	3.70	1,462	54	---
Wyo.	19.5	8,110	292	3.60	158	6	---
Colo.	99	8,530	307	3.60	844	30	60
N. Mex.	38	8,290	294	3.55	315	11	---
Ariz.	51	10,840	385	3.55	553	20	---
Utah	75	10,120	364	3.60	759	27	---
Nev.	13.7	10,020	361	3.60	137	5	---
Wash.	186	10,500	399	3.80	1,953	74	110
Oreg.	113	8,590	348	4.05	971	39	90
Calif.	781	11,460	413	3.60	8,950	322	30
Alaska	1.8	9,830	359	3.65	17.7	1	---
Hawaii	13.5	9,930	338	3.40	134	5	---
U. S.	13,038	8,992	330	3.67	117,234	4,305	10,500

1/ Average number on farms during year, excluding heifers not yet fresh. 2/ Excludes milk sucked by calves.

Table 6.--Milk used and marketed by farmers, by States, 1968

State	Milk used on farms where produced				Milk marketed by farmers				
	Fed	Consumed	Used for	Total	Sold to plants and dealers 2/		Sold	Total	
	to	as fluid	farm-		As	As farm-	directly		to
	calves	milk and	churned		whole	separated	consumers:		3/
	1/	cream	butter		milk	cream			
----- Million pounds -----									
Maine	8	14	1	23	558	-	17	575	
N. H.	5	8	-	13	340	-	7	347	
Vt.	20	20	-	40	1,800	-	29	1,829	
Mass.	6	9	-	15	620	-	65	685	
R. I.	1	1	-	2	73	-	5	78	
Conn.	8	9	-	17	633	-	27	660	
N. Y.	145	100	-	245	9,860	9	105	9,974	
N. J.	7	9	-	16	770	-	24	794	
Pa.	58	131	4	193	6,465	22	190	6,677	
Ohio	76	89	3	168	4,280	11	30	4,321	
Ind.	26	52	2	80	2,295	12	11	2,318	
Ill.	30	56	2	88	2,995	13	13	3,021	
Mich.	85	54	1	140	4,405	35	18	4,458	
Wis.	400	219	-	619	17,560	5	26	17,591	
Minn.	171	152	2	325	9,665	220	11	9,896	
Iowa	100	130	6	236	4,500	340	21	4,861	
Mo.	40	114	14	168	2,835	32	24	2,891	
N. Dak.	34	43	5	82	610	495	7	1,112	
S. Dak.	29	41	3	73	1,380	202	5	1,587	
Nebr.	38	53	7	98	1,320	278	8	1,606	
Kans.	38	48	5	91	1,540	65	21	1,626	
Del.	1	2	-	3	129	-	2	131	
Md.	14	20	1	35	1,480	-	15	1,495	
Va.	32	102	27	161	1,630	24	15	1,669	
W. Va.	9	50	9	68	340	8	9	357	
N. C.	19	132	29	180	1,275	-	20	1,295	
S. C.	6	23	6	35	460	-	10	470	
Ga.	7	38	11	56	990	-	19	1,009	
Fla.	6	9	-	15	1,415	-	124	1,539	
Ky.	34	165	16	215	2,245	4	21	2,270	
Tenn.	28	129	14	171	1,930	-	14	1,944	
Ala.	8	76	14	98	695	-	15	710	
Miss.	11	82	13	106	960	-	6	966	
Ark.	8	39	12	59	615	-	14	629	
La.	6	61	2	69	945	-	16	961	
Okla.	24	46	5	75	1,160	30	18	1,208	
Texas	26	84	14	124	2,815	4	39	2,858	
Mont.	9	29	1	39	256	59	6	321	
Idaho	39	35	-	74	1,360	15	13	1,388	
Wyo.	5	12	-	17	123	15	3	141	
Colo.	24	26	1	51	720	32	41	793	
N. Mex.	4	9	-	13	266	-	36	302	
Ariz.	6	8	-	14	510	-	29	539	
Utah	9	21	-	30	675	3	51	729	
Nev.	3	2	-	5	129	2	1	132	
Wash.	43	34	2	79	1,790	17	67	1,874	
Oreg.	27	26	2	55	860	15	41	916	
Calif.	89	42	1	132	8,350	6	462	8,818	
Alaska	0.2	0.5	-	0.7	16.4	-	0.6	17.0	
Hawaii	1	1	-	2	124	-	8	132	
U. S.	1,823	2,656	235	4,714	108,767	1,973	1,780	112,520	

1/ Excludes milk sucked by calves. 2/ Includes milk produced by dealers' own herds (except for New York and California, where such milk is included as sold directly to consumers). 3/ Sales directly to consumers by producers who sell only milk from their own herds. Also includes milk produced by institutional herds.

Table 7-Milk and cream marketed by farmers: Quantity, price and cash receipts, by States, 1968

State	Milk sold to plants				Cream sold to plants			Milk sold directly		
	and dealers				and dealers			to consumers		
	Quantity	Percent	Price	Cash	Quantity	Price	Cash	Quantity	Price	Cash
	: fluid	: grade 1/	: per	: receipts	: milkfat	: per lb.	: receipts	: Quantity	: per	: receipts
	: 1,000 lb.	: 100 lb.			: fat			: quart		
	Mil. lb.	Pct.	Dol.	1,000 dol.	1,000 lb.	Ct.	1,000 dol.	Mil. qt.	Ct.	1,000 dol.
Maine	558	100	6.30	35,154	---	-	---	8	27.0	2,160
N. H.	340	100	6.20	21,080	---	-	---	3	27.0	810
Vt.	1,800	100	5.89	106,020	---	-	---	13	26.0	3,380
Mass.	620	100	6.35	39,370	---	-	---	30	28.3	8,490
R. I.	73	100	6.29	4,592	---	-	---	2	28.3	566
Conn.	633	100	6.54	41,398	---	-	---	13	28.3	3,679
N. Y.	9,860	100	5.51	543,286	350	58	203	49	23.4	11,466
N. J.	770	100	5.92	45,584	---	-	---	11	29.0	3,190
Pa.	6,465	98	5.87	379,496	820	57	467	88	23.7	20,856
Ohio	4,280	87	5.61	240,108	420	50	210	14	24.5	3,430
Ind.	2,295	83	5.42	124,389	470	59	277	5	23.7	1,185
Ill.	2,995	71	5.05	151,248	480	63	302	6	24.7	1,482
Mich.	4,405	86	5.51	242,716	1,310	65	852	8	24.3	1,944
Wis.	17,560	46	4.58	804,248	180	73	131	12	24.0	2,880
Minn.	9,665	21	4.31	416,562	7,810	73	5,701	5	23.7	1,185
Iowa	4,500	26	4.46	200,700	12,200	74	9,028	10	25.6	2,560
Mo.	2,835	52	4.83	136,930	1,250	67	838	11	23.6	2,596
N. Dak.	610	35	4.26	25,986	17,420	72	12,542	3	24.4	732
S. Dak.	1,380	15	4.30	59,340	7,140	71	5,069	2	24.3	486
Nebr.	1,320	39	4.59	60,588	9,930	62	6,157	4	21.7	868
Kans.	1,540	70	5.20	80,080	2,420	67	1,621	10	21.7	2,170
Del.	129	2/	6.05	7,804	---	-	---	1	25.9	259
Md.	1,480	2/	6.12	90,576	---	-	---	7	26.7	1,869
Va.	1,630	83	6.01	97,963	950	47	446	7	24.4	1,708
W. Va.	340	2/	5.97	20,298	330	47	155	4	24.4	976
N. C.	1,275	95	6.59	84,022	---	-	---	9	24.0	2,160
S. C.	460	2/	6.79	31,234	---	-	---	5	23.2	1,160
Ga.	990	100	6.46	63,954	---	-	---	9	24.5	2,205
Fla.	1,415	100	6.98	98,767	---	-	---	58	28.2	16,356
Ky.	2,245	58	5.06	113,597	150	62	93	10	22.6	2,260
Tenn.	1,930	64	5.44	104,992	---	-	---	7	19.1	1,337
Ala.	695	96	6.40	44,480	---	-	---	7	20.6	1,442
Miss.	960	87	6.00	57,600	---	-	---	3	21.3	639
Ark.	615	66	5.63	34,624	---	-	---	7	23.0	1,610
La.	945	100	6.65	62,842	---	-	---	7	24.6	1,722
Okla.	1,160	91	5.57	64,612	1,140	58	661	8	21.2	1,696
Texas	2,815	100	6.35	178,752	150	56	84	18	26.8	4,824
Mont.	256	88	5.24	13,414	2,220	68	1,510	3	27.4	822
Idaho	1,360	24	4.32	58,752	550	64	352	6	24.0	1,440
Wyo.	123	2/	5.15	6,334	550	63	346	1	28.0	280
Colo.	720	2/	5.94	42,768	1,200	61	732	19	26.7	5,073
N. Mex.	266	100	5.86	15,588	---	-	---	17	27.1	4,607
Ariz.	510	100	6.25	31,875	---	-	---	13	24.7	3,211
Utah	675	70	5.01	33,818	100	58	58	24	21.2	5,088
Nev.	129	100	5.62	7,250	80	61	49	1	26.5	265
Wash.	1,790	99	5.50	98,450	700	63	441	31	26.0	8,060
Oreg.	860	76	5.40	46,440	640	70	448	19	24.0	4,560
Calif.	8,350	90	5.01	418,335	230	71	163	215	24.2	52,030
Alaska	16.4	100	10.46	1,715	---	-	---	0.3	30.8	92
Hawaii	124	100	9.18	11,383	---	-	---	4	30.9	123
U. S.	108,767	70	5.24	5,701,114	71,190	68.7	48,936	826	24.7	203,989

1/ Percentage of milk sold to plants and dealers that is eligible for fluid use (Grade A in most States).
 Includes fluid-grade milk used in manufactured dairy products. 2/ Not published to avoid disclosing individual operations for manufacturing grade milk.

Table 8.--Farm marketings, income, and value of dairy products, by States, 1968

State	Combined marketings of milk and cream				Used for milk, cream and butter on farms where produced		Gross farm income from dairy products	Farm value of milk produced
	Milk utilized	Average returns 1/		Cash receipts from marketings	Milk utilized	Value 2/	3/	4/
		Per 100 pounds of milk	Per pound of milkfat					
	Mil. lb.	Dollars		1,000 dol.	Mil. lb.	1,000 dollars		
Maine	575	6.49	1.73	37,314	15	974	38,288	38,810
N. H.	347	6.31	1.66	21,890	8	505	22,395	22,716
Vt.	1,829	5.98	1.59	109,400	20	1,196	110,596	111,766
Mass.	685	6.99	1.89	47,860	9	629	48,489	48,930
R. I.	78	6.61	1.81	5,158	1	66	5,224	5,288
Conn.	660	6.83	1.85	45,077	9	615	45,692	46,239
N. Y.	9,974	5.56	1.54	554,955	100	5,560	560,515	568,176
N. J.	794	6.14	1.71	48,774	9	553	49,327	49,734
Pa.	6,677	6.00	1.62	400,819	135	8,100	408,919	412,200
Ohio	4,321	5.64	1.50	243,748	92	5,189	248,937	253,180
Ind.	2,318	5.43	1.45	125,851	54	2,932	128,783	130,211
Ill.	3,021	5.07	1.39	153,032	58	2,941	155,973	157,626
Mich.	4,458	5.51	1.51	245,512	55	3,030	248,542	253,350
Wis.	17,591	4.59	1.24	807,259	219	10,052	817,311	835,839
Minn.	9,896	4.28	1.21	423,448	154	6,591	430,039	437,459
Iowa	4,861	4.37	1.21	212,288	136	5,943	218,231	222,739
Mo.	2,891	4.86	1.30	140,364	128	6,221	146,585	148,667
N. Dak.	1,112	3.53	1.01	39,260	48	1,694	40,954	42,148
S. Dak.	1,587	4.09	1.15	64,895	44	1,800	66,695	67,894
Nebr.	1,606	4.21	1.17	67,613	60	2,526	70,139	71,738
Kans.	1,626	5.16	1.41	83,871	53	2,735	86,606	88,597
Del.	131	6.15	1.68	8,063	2	123	8,186	8,241
Md.	1,495	6.18	1.67	92,445	21	1,298	93,743	94,554
Va.	1,669	6.00	1.60	100,117	129	7,740	107,857	109,800
W. Va.	357	6.00	1.60	21,429	59	3,540	24,969	25,500
N. C.	1,295	6.65	1.75	86,182	161	10,706	96,888	98,088
S. C.	470	6.89	1.74	32,394	29	1,998	34,392	34,794
Ga.	1,009	6.56	1.73	66,159	49	3,214	69,373	69,864
Fla.	1,539	7.48	1.99	115,123	9	673	115,796	116,239
Ky.	2,270	5.11	1.34	115,950	181	9,249	125,199	126,984
Tenn.	1,944	5.47	1.42	106,329	143	7,822	114,151	115,690
Ala.	710	6.47	1.73	45,922	90	5,823	51,745	52,278
Miss.	966	6.03	1.55	58,239	95	5,728	63,967	64,642
Ark.	629	5.76	1.56	36,234	51	2,938	39,172	39,629
La.	961	6.72	1.75	64,564	63	4,234	68,798	69,216
Okla.	1,208	5.54	1.56	66,969	51	2,825	69,794	71,078
Texas	2,858	6.43	1.76	183,660	98	6,301	189,961	191,743
Mont.	321	4.90	1.36	15,746	30	1,470	17,216	17,640
Idaho	1,388	4.36	1.18	60,544	35	1,526	62,070	63,743
Wyo.	141	4.94	1.37	6,960	12	593	7,553	7,805
Colo.	793	6.13	1.70	48,573	27	1,655	50,228	51,737
N. Mex.	302	6.69	1.88	20,195	9	602	20,797	21,074
Ariz.	539	6.51	1.83	35,086	8	521	35,607	36,000
Utah	729	5.34	1.48	38,964	21	1,121	40,085	40,531
Nev.	132	5.73	1.59	7,564	2	115	7,679	7,850
Wash.	1,874	5.71	1.50	106,951	36	2,056	109,007	111,516
Oreg.	916	5.62	1.39	51,448	28	1,574	53,022	54,570
Calif.	8,818	5.34	1.48	470,528	43	2,296	472,824	477,930
Alaska	17.0	10.63	2.91	1,807	0.5	53	1,860	1,882
Hawaii	132	8.72	2.56	11,506	1	87	11,593	11,685
U. S.	112,520	5.29	1.44	5,954,039	2,891	157,733	6,111,772	6,205,610

1/ Cash receipts divided by milk or milkfat represented in combined marketings. 2/ Valued at average returns per 100 pounds of milk in combined marketings of milk and cream. 3/ Cash receipts from marketings of milk and cream plus value of milk used for home consumption and farm-churned butter. 4/ Includes value of milk fed to calves.

Table 9.-Milk cows and production of milk, milkfat, and butter on farms, by States, 1969

State	Number of milk cows on farms 1/	Production of milk and milkfat 2/					Butter churned on farms
		Per milk cow		Percentage of fat in all milk produced	Total		
		Milk	Milkfat		Milk	Milkfat	
	Thousands	- - Pounds - -		Percent	Million pounds		1,000 lbs.
Maine	69	8,986	332	3.70	620	23	60
N. H.	38	9,579	364	3.80	364	14	-
Vt.	206	9,286	348	3.75	1,913	72	-
Mass.	66	10,333	382	3.70	682	25	-
R. I.	7.9	10,127	370	3.65	80	3	-
Conn.	66	10,303	381	3.70	680	25	-
N. Y.	1,024	10,067	362	3.60	10,309	371	-
N. J.	75	10,493	383	3.65	787	29	-
Pa.	718	9,702	359	3.70	6,966	258	120
Ohio	463	9,600	360	3.75	4,445	167	94
Ind.	241	9,900	371	3.75	2,386	89	50
Ill.	322	9,652	352	3.65	3,108	113	50
Mich.	472	9,822	359	3.65	4,636	169	-
Wis.	1,846	9,761	361	3.70	18,018	667	-
Minn.	1,008	9,650	343	3.55	9,727	345	40
Iowa	528	9,062	331	3.65	4,785	175	208
Mo.	368	8,128	305	3.75	2,991	112	516
N. Dak.	148	7,419	263	3.55	1,098	39	168
S. Dak.	192	8,161	290	3.55	1,567	56	80
Nebr.	202	8,069	295	3.65	1,630	59	241
Kans.	206	8,189	299	3.65	1,687	62	160
Del.	15	9,067	335	3.70	136	5	-
Md.	169	9,249	342	3.70	1,563	58	-
Va.	225	8,124	305	3.75	1,828	69	936
W. Va.	63	6,571	246	3.75	414	16	312
N. C.	190	7,795	292	3.75	1,481	56	1,079
S. C.	70	7,229	286	3.95	506	20	216
Ga.	140	7,979	299	3.75	1,117	42	410
Fla.	190	8,205	308	3.75	1,559	58	-
Ky.	354	6,963	265	3.80	2,465	94	608
Tenn.	313	6,722	259	3.85	2,104	81	514
Ala.	138	5,884	224	3.80	812	31	514
Miss.	201	5,279	206	3.90	1,061	41	500
Ark.	99	6,990	259	3.70	692	26	415
La.	175	6,160	237	3.85	1,078	42	50
Okla.	151	8,411	299	3.55	1,270	45	176
Texas	351	8,510	306	3.60	2,987	108	474
Mont.	44	7,955	290	3.65	350	13	50
Idaho	155	9,219	341	3.70	1,429	53	-
Wyo.	18.9	8,201	295	3.60	155	6	-
Colo.	101	8,614	314	3.65	870	32	60
N. Mex.	36	8,556	304	3.55	308	11	-
Ariz.	51	11,235	399	3.55	573	20	-
Utah.	76	10,303	371	3.60	783	28	-
Nev.	13.8	10,072	363	3.60	139	5	-
Wash.	183	10,809	411	3.80	1,978	75	55
Oreg.	110	8,836	353	4.00	972	39	45
Calif.	776	11,521	415	3.60	8,940	322	-
Alaska	1.8	9,889	356	3.60	17.8	1	-
Hawaii	12.8	10,391	353	3.40	133	5	-
U. S.	12,689	9,158	337	3.68	116,200	4,275	8,201

1/ Average number on farms during year, excluding heifers not yet fresh.

2/ Excludes milk sucked by calves.

Table 10.--Milk used and marketed by farmers, by States, 1969

State	Milk used on farms where produced				Milk marketed by farmers			
	Fed	Consumed	Used for	Total	Sold to plants	Sold	Total	
	to	as fluid	farm-		and dealers 2/	directly		
	calves	milk and	churned		As	As farm-		to
	1/	cream	butter		whole	separated	consumers	
					milk	cream	3/	
----- Million pounds -----								
Maine	8	13	1	22	580	-	18	598
N. H.	5	8	-	13	345	-	6	351
Vt.	20	19	-	39	1,845	-	29	1,874
Mass.	5	8	-	13	610	-	59	669
R. I.	1	1	-	2	74	-	4	78
Conn.	8	9	-	17	638	-	25	663
N. Y.	140	95	-	235	9,970	8	96	10,074
N. J.	6	9	-	15	750	-	22	772
Pa.	55	125	3	183	6,570	18	195	6,783
Ohio	74	83	2	159	4,250	9	27	4,286
Ind.	24	46	1	71	2,295	9	11	2,315
Ill.	30	50	1	81	3,005	10	12	3,027
Mich.	82	50	-	132	4,455	31	18	4,504
Wis.	385	210	-	595	17,395	3	25	17,423
Minn.	170	142	1	313	9,260	145	9	9,414
Iowa	95	115	5	215	4,250	300	20	4,570
Mo.	38	103	12	153	2,790	24	24	2,838
N. Dak.	31	37	4	72	600	420	6	1,026
S. Dak.	28	37	2	67	1,325	170	5	1,500
Nebr.	36	45	6	87	1,305	230	8	1,543
Kans.	36	44	4	84	1,530	52	21	1,603
Del.	1	2	-	3	131	-	2	133
Md.	14	19	-	33	1,515	-	15	1,530
Va.	31	94	21	146	1,645	22	15	1,682
W. Va.	8	44	7	59	340	7	8	355
N. C.	18	125	24	167	1,295	-	19	1,314
S. C.	6	21	5	32	465	-	9	474
Ga.	8	34	9	51	1,050	-	16	1,066
Fla.	6	10	-	16	1,420	-	123	1,543
Ky.	32	148	13	193	2,250	3	19	2,272
Tenn.	28	121	11	160	1,930	-	14	1,944
Ala.	7	70	11	88	710	-	14	724
Miss.	10	75	10	95	960	-	6	966
Ark.	8	35	10	53	625	-	14	639
La.	6	55	1	62	1,000	-	16	1,016
Okla.	24	41	4	69	1,155	28	18	1,201
Texas	25	76	11	112	2,835	3	37	2,875
Mont.	8	27	1	36	255	53	6	314
Idaho	38	32	-	70	1,335	12	12	1,359
Wyo.	5	12	-	17	123	12	3	138
Colo.	24	23	1	48	745	29	48	822
N. Mex.	4	8	-	12	258	-	38	296
Ariz.	6	8	-	14	523	-	36	559
Utah	9	20	-	29	700	2	52	754
Nev.	3	2	-	5	131	1	2	134
Wash.	44	33	1	78	1,815	17	68	1,900
Oreg.	27	23	1	51	865	13	43	921
Calif.	91	38	-	129	8,385	5	421	8,811
Alaska	0.3	0.5	-	0.8	16.3	-	0.7	17.0
Hawaii	1	1	-	2	123	-	8	131
U. S.	1,769	2,447	183	4,399	108,442	1,636	1,723	111,801

1/ Excludes milk sucked by calves. 2/ Includes milk produced by dealers' own herds (except for New York and California, where such milk is included as milk sold directly to consumers). 3/ Sales directly to consumers by producers who sell only milk from their own herds. Also includes milk produced by institutional herds.

Table 11.--Milk and cream marketed by farmers: Quantity, price, and cash receipts, by States, 1969

State	Milk sold to plants and dealers				Cream sold to plants and dealers			Milk sold directly to consumers		
	Quantity	Percent	Price	Cash	Quantity	Price	Cash	Quantity	Price	Cash
	: fluid	: grade 1/	: per	: receipts	: milkfat	: per lb.	: receipts	: quart	: per	: receipts
	: Mil. lb.	: Pct.	: Dol.	: 1,000 dol.	: 1,000 lb.	: Ct.	: 1,000 dol.	: Mil. qt.	: Ct.	: 1,000 dol.
Maine	580	100	6.54	37,932	---	-	---	8	28.6	2,288
N. H.	345	100	6.38	22,011	---	-	---	3	27.6	828
Vt.	1,845	100	6.08	112,176	---	-	---	13	27.2	3,536
Mass.	610	100	6.55	39,955	---	-	---	27	28.5	7,695
R. I.	74	100	6.47	4,788	---	-	---	2	28.5	570
Conn.	638	100	6.75	43,065	---	-	---	12	28.5	3,420
N. Y.	9,970	100	5.78	576,266	310	60	186	45	25.1	11,295
N. J.	750	100	6.13	45,975	---	-	---	10	30.2	3,020
Pa.	6,570	98	6.10	400,770	670	57	382	91	25.0	22,750
Ohio	4,250	88	5.76	244,800	340	50	170	13	24.2	3,146
Ind.	2,295	83	5.53	126,914	350	54	189	5	24.2	1,210
Ill.	3,005	72	5.12	153,856	360	61	220	6	25.0	1,500
Mich.	4,455	86	5.58	248,589	1,170	67	784	8	25.5	2,040
Wis.	17,395	48	4.85	843,658	110	72	79	12	24.5	2,940
Minn.	9,260	23	4.49	415,774	5,120	73	3,738	4	26.0	1,040
Iowa	4,250	26	4.69	199,325	10,830	74	8,014	9	26.0	2,340
Mo.	2,790	52	5.07	141,453	930	67	623	11	25.2	2,772
N. Dak.	600	32	4.47	26,820	14,700	72	10,584	3	25.2	756
S. Dak.	1,325	13	4.51	59,758	5,980	70	4,186	2	25.0	500
Nebr.	1,305	40	4.85	63,292	8,330	64	5,331	4	22.2	888
Kans.	1,530	71	5.44	83,232	1,920	66	1,267	10	22.5	2,250
Del.	131	2/	6.35	8,318	---	-	---	1	26.5	265
Md.	1,515	2/	6.26	94,839	---	-	---	7	27.4	1,918
Va.	1,645	82	6.10	100,345	860	46	396	7	25.3	1,771
W. Va.	340	2/	6.02	20,468	280	48	134	4	25.8	1,032
N. C.	1,295	95	6.90	89,355	---	-	---	9	25.5	2,295
S. C.	465	2/	6.93	32,224	---	-	---	4	25.5	1,020
Ga.	1,050	100	6.79	71,295	---	-	---	7	25.4	1,778
Fla.	1,420	100	7.28	103,376	---	-	---	57	30.9	17,613
Ky.	2,250	59	5.18	116,550	120	51	61	9	24.0	2,160
Tenn.	1,930	67	5.59	107,887	---	-	---	7	21.7	1,519
Ala.	710	96	6.84	48,564	---	-	---	7	21.8	1,526
Miss.	960	89	6.18	59,328	---	-	---	3	22.4	672
Ark.	625	68	5.81	36,312	---	-	---	7	23.0	1,610
La.	1,000	100	6.77	67,700	---	-	---	7	25.3	1,771
Okla.	1,155	90	6.02	69,531	1,020	67	683	8	22.2	1,776
Texas	2,835	100	6.74	191,079	110	55	60	17	27.8	4,726
Mont.	255	90	5.59	14,254	1,990	69	1,373	3	28.0	840
Idaho	1,335	25	4.55	60,742	440	64	282	6	25.1	1,506
Wyo.	123	2/	5.36	6,593	440	64	282	1	29.0	290
Colo.	745	2/	6.01	44,774	1,080	62	670	22	28.3	6,226
N. Mex.	258	100	6.18	15,944	---	-	---	18	27.5	4,950
Ariz.	523	100	6.34	33,158	---	-	---	17	25.7	4,369
Utah	700	70	5.20	36,400	70	59	41	24	21.5	5,160
Nev.	131	100	5.60	7,336	40	60	24	1	26.5	265
Wash.	1,815	100	5.68	103,092	700	68	476	32	26.8	8,576
Oreg.	865	77	5.58	48,267	550	68	374	20	26.8	5,360
Calif.	8,385	91	5.15	231,828	190	71	135	196	25.0	49,000
Alaska	16.3	100	10.73	1,749	---	-	---	0.3	34.6	104
Hawaii	123	100	9.33	11,476	---	-	---	4	31.9	128
U. S.	108,442	72	5.46	5,923,193	59,010	69.0	40,744	803	25.8	207,010

1/ Percentage of milk sold to plants and dealers that is eligible for fluid use (Grade A in most States). Includes fluid-grade milk used in manufactured dairy products.

2/ Not published to avoid disclosing individual operations for manufacturing grade milk.

Table 12.--Farm marketings, income and value of dairy products by States, 1969

State	Combined marketings of milk and cream				Used for milk, cream and butter		Gross farm income	Farm value of milk produced
	Milk utilized	Average returns 1/		Cash receipts from marketings	on farms where produced	Value	from dairy products 3/	of milk produced 4/
		Per 100 pounds of milk	per pound milkfat					
	Mil. lb.	Dollars	-	1,000 dol.	Mil. lbs.	-	1,000 dollars	-
Maine	598	6.73	1.82	40,220	14	942	41,162	41,726
N. H.	351	6.51	1.71	22,839	8	521	23,360	23,696
Vt.	1,874	6.17	1.65	115,712	19	1,172	116,884	118,032
Mass.	669	7.12	1.92	47,650	8	570	48,220	48,558
R. I.	78	6.87	1.88	5,358	1	69	5,427	5,496
Conn.	663	7.01	1.89	46,485	9	631	47,116	47,668
N. Y.	10,074	5.83	1.62	587,747	95	5,538	593,285	601,015
N. J.	772	6.35	1.74	48,995	9	572	49,567	49,974
Pa.	6,783	6.24	1.69	423,902	128	7,987	431,889	434,678
Ohio	4,286	5.79	1.54	248,116	85	4,922	253,038	257,366
Ind.	2,315	5.54	1.48	128,313	47	2,604	130,917	132,184
Ill.	3,027	5.14	1.41	155,576	51	2,621	158,197	159,751
Mich.	4,504	5.58	1.53	251,413	50	2,790	254,203	258,689
Wis.	17,423	4.86	1.31	846,677	210	10,206	856,883	875,675
Minn.	9,414	4.47	1.26	420,552	143	6,392	426,944	434,797
Iowa	4,570	4.59	1.26	209,679	120	5,508	215,187	219,632
Mo.	2,838	5.10	1.36	144,848	115	5,865	150,713	152,541
N. Dak.	1,026	3.72	1.05	38,160	41	1,525	39,685	40,846
S. Dak.	1,500	4.30	1.21	64,444	39	1,677	66,121	67,381
Nebr.	1,543	4.50	1.23	69,511	51	2,295	71,806	73,350
Kans.	1,603	5.41	1.48	86,749	48	2,597	89,346	91,267
Del.	133	6.45	1.74	8,583	2	129	8,712	8,772
Md.	1,530	6.32	1.71	96,757	19	1,201	97,958	98,782
Va.	1,682	6.09	1.62	102,512	115	7,004	109,516	111,325
W. Va.	355	6.09	1.62	21,634	51	3,106	24,740	25,213
N. C.	1,314	6.97	1.86	91,650	149	10,385	102,035	103,226
S. C.	474	7.01	1.77	33,244	26	1,823	35,067	35,471
Ga.	1,066	6.85	1.83	73,073	43	2,946	76,019	76,514
Fla.	1,543	7.84	2.09	120,989	10	784	121,773	122,226
Ky.	2,272	5.23	1.38	118,771	161	8,420	127,191	128,920
Tenn.	1,944	5.63	1.46	109,406	132	7,432	116,838	118,455
Ala.	724	6.92	1.82	50,090	81	5,605	55,695	56,190
Miss.	966	6.21	1.59	60,000	85	5,278	65,278	65,888
Ark.	639	5.93	1.60	37,922	45	2,668	40,590	41,036
La.	1,016	6.84	1.78	69,471	56	3,830	73,301	73,735
Okl.	1,201	5.99	1.69	71,990	45	2,696	74,686	76,073
Texas	2,875	6.81	1.89	195,865	87	5,925	201,790	203,415
Mont.	314	5.24	1.44	16,467	28	1,467	17,934	18,340
Idaho	1,359	4.60	1.24	62,530	32	1,472	64,002	65,734
Wyo.	138	5.19	1.44	7,165	12	623	7,788	8,044
Colo.	822	6.29	1.72	51,670	24	1,510	53,180	54,723
N. Mex.	296	7.06	1.99	20,894	8	565	21,459	21,745
Ariz.	559	6.71	1.89	37,527	8	537	38,064	38,448
Utah	754	5.52	1.53	41,601	20	1,104	42,705	43,222
Nev.	134	5.69	1.58	7,625	2	114	7,739	7,909
Wash.	1,900	5.90	1.55	112,144	34	2,006	114,150	116,702
Oreg.	921	5.86	1.46	54,001	24	1,406	55,407	56,959
Calif.	8,811	5.46	1.52	480,963	38	2,075	483,038	488,124
Alaska	17.0	10.90	3.03	1,853	0.5	54	1,907	1,940
Hawaii	131	8.86	2.61	11,604	1	89	11,693	11,784
U. S.	111,801	5.52	1.50	6,170,947	2,630	149,258	6,320,205	6,413,237

1/ Cash receipts divided by milk or milkfat represented in combined marketings. 2/ Valued at average returns per 100 pounds of milk in combined marketings of milk and cream. 3/ Cash receipts from marketings of milk and cream plus value of milk used for home consumption and farm-churned butter. 4/ Includes value of milk fed to calves.

Table 13.--Supply and utilization of milk, United States, 1964-69

Item	1964	1965	1966	1967	1968	1969
- - - - - Million pounds - - - - -						
Milk production	126,967	124,173	119,892	118,769	117,234	116,200
Net imports of ingredients (M.E.) 1/	90	149	1,431	1,334	172	316
Net change in storage cream (M.E.) 2/	-37	10	-60	43	24	-22
Total supply	127,020	124,332	121,263	120,146	117,430	116,494
<u>Utilization (milk equivalent)</u>						
Used in manufactured products--						
Creamery butter, total M. E.	32,576	29,867	25,084	27,563	26,459	25,454
M.E. of butter from whey cream	1,301	1,319	1,413	1,457	1,488	1,533
Net milk equivalent	31,275	28,548	23,671	26,106	24,971	23,921
Cheese:						
American	11,454	11,458	12,154	12,701	12,718	12,832
Other	4,162	4,277	4,521	4,507	4,674	5,082
Cottage cheese, creamed	1,042	1,046	1,044	1,050	1,096	1,151
Canned milk:						
Evaporated	3,850	3,471	3,516	3,087	2,851	2,945
Sweetened condensed	209	214	287	141	195	179
Bulk condensed whole milk:						
Unsweetened	846	780	706	636	690	724
Sweetened	140	151	152	149	158	163
Dry whole milk	648	654	698	547	694	551
Ice cream and other frozen dairy products, total M.E.						
M.E. of butter and condensed milk used in ice cream	1,953	1,987	6/1,998	6/1,967	2,056	2,056
Net milk equivalent	10,262	10,570	10,508	10,538	10,964	11,005
Other manufactured products 3/	650	599	643	308	418	418
Total manufactured products	64,538	61,768	57,900	59,770	59,429	58,971
Used in fluid products--						
Sold by dealers	53,037	53,569	53,657	52,236	51,920	51,077
Sold by producers						
directly to consumers 4/	1,863	1,831	1,743	1,764	1,780	1,723
Total fluid sales	54,900	55,400	55,400	54,000	53,700	52,800
Used on farms where produced--						
Fed to calves	2,152	2,061	1,973	1,893	1,823	1,769
Consumed as fluid milk and cream	3,742	3,443	3,146	2,882	2,656	2,447
Used for farm-churned butter	595	472	362	292	235	183
Total used on farms	6,489	5,976	5,481	7/5,205	4,714	4,399
Residual	1,093	1,188	2,482	1,171	-413	324
Total utilization	127,020	124,332	121,263	120,146	117,430	116,494

1/ Whole milk equivalent (milkfat basis) of net imports of dairy manufacturing ingredients such as frozen cream and butterfat-sugar mixtures. 2/ Whole milk equivalent of net out-of-storage movement of fluid and plastic cream during the year. A negative figure represents a net movement of cream into storage. 3/ Whole milk equivalent of dry cream, malted milk powder, part-skim dry milk, dry or concentrated ice cream mix, dehydrated butterfat and other miscellaneous products using milkfat. 4/ Sales directly to consumers by producers who sell only milk from their own herds. Also includes milk produced by institutional herds. 5/ Residual, includes minor miscellaneous uses and any inaccuracies in production and utilization estimates. 6/ Without adjustment for imported butterfat-sugar mixtures which may have replaced butter and condensed milk used in ice cream. 7/ Includes some milk used for other purposes on farms or not utilized.

Fluid grade milk 72 percent of deliveries to plants

Fluid grade milk accounted for 72 percent of all whole milk sold to plants and dealers in 1969 -- 2 percentage points more than a year earlier. During 1969, all milk marketed in 18 States was fluid grade. Fluid grade milk accounted for less than half of the total milk marketed in Wisconsin, in the West North Central States except Missouri and Kansas, and in Idaho.

Supply and utilization of milk

Data on milk supply and utilization (Table 13) are published in whole-milk equivalent, based on the milkfat content of ingredients and products. The total supply consists of milk production plus the milk equivalent of net imports of dairy manufacturing ingredients and **net out-of-storage movement of cream**. Data on milk used in manufactured products are based on total milkfat required to produce the products and include the milk equivalent of any imported ingredients used. Consumption of fluid milk and cream is reported in separate estimates of sales by dealers, sales by producers directly to consumers, and milk consumed on farms where produced.

Table 15. --Fluid grade milk as percent of all milk sold by farmers to plants and dealers, by regions, 1960-69 1/

Region	: 1960	: 1961	: 1962	: 1963	: 1964	: 1965	: 1967	: 1967	: 1968	: 1969
	:	:	:	:	:	:	:	:	:	:
	:	:	:	:	:	:	:	:	:	:
	- - - <u>Percent</u> - - -									
North Atlantic	: 99	: 99	: 99	: 99	: 99	: 99	: 99	: 99	: 99	: 99
East North Central :	55	57	58	60	59	60	61	60	62	64
West North Central :	31	30	29	29	28	28	28	29	31	32
South Atlantic	: 90	: 90	: 91	: 92	: 92	: 93	: 94	: 94	: 95	: 95
South Central	: 73	: 73	: 74	: 75	: 76	: 78	: 80	: 80	: 81	: 82
Western	: 74	: 75	: 76	: 78	: 82	: 82	: 84	: 84	: 84	: 85
United States	: 67	: 67	: 67	: 68	: 68	: 69	: 69	: 70	: 70	: 72

1/ Percentage eligible for fluid use (Grade A in most States). Includes fluid-grade milk used in manufactured products.

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